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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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MICHAEL A BERNADICOU
BLAKELY SOKOLOFF TAYLOR ZAFMAN
12400 WILSHIRE BOULEVARD
7TH FLOOR
LOS ANGELES CA 90025

EXAMINER

DR, E.

ART UNIT

PAPER NUMBER

2822

DATE MAILED: 01/05/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/002,178

Applicant(s)

Bohr

Examiner

Edwin Oh

Group Art Unit
2822



☐ Responsive to communication(s) filed on _____.

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 0 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-30 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☐ Claim(s) _____ is/are rejected.

☐ Claim(s) _____ is/are objected to.

☒ Claims 1-30 are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

Restriction Requirement

1
2 Claims 1-30 are pending in this application.

3
4 Restriction to one of the following inventions is required under 35 U.S.C. § 121:

5
6 I. Claims 21-30, drawn to a semiconductor device, classified in Class 257,
7 subclass 701.

8 II. Claims 1-20, drawn to a process of making a semiconductor device
9 apparatus, classified in Class 438, subclass 782.

10 The inventions are distinct, each from the other because of the following
11 reasons:

12 Inventions II and I are related as process of making and product made.
13 The inventions are distinct if either or both of the following can be shown: (1) that the
14 process as claimed can be used to make other and materially different products or (2)
15 that the product as claimed can be made by another and materially different process
16 (MPEP § 806.05(f)). In the instant case, unpatentability of the group I invention would
17 not necessarily imply unpatentability of the method of the group II invention, since the
18 device of the group I invention could be made by processes materially different than
19 that of the group II invention, for example, in claim 6, growing a conducting barrier layer
20 on the sides of the opening and on the top surface of the bond pad. Note specifically
21 In re Thorpe et al. as detailed below:

22
23 Even though product - by process claims are limited by and defined by the process, determination
24 of patentability is based on the product itself. The patentability of a product does not depend on
25 its method of production. If the product in the product - by - process claim is the same as or
26 obvious from a product of the prior art, the claim is unpatentable even though the prior product
27 was made by a different process. In re Thorpe , 227 USPQ 964, 966 (Fed. Cir. 1985) (citations
28 omitted)
29

30 Because these inventions are distinct for the reasons given above and, as
31 shown by the above different classifications, the fields of search are not co-extensive
32 and separate examination would be required, restriction for examination purposes as
33 indicated is proper.

34 Applicant is advised that the response to this requirement to be complete must
35 include an election of the invention to be examined even though the requirement be
36 traversed (37 C.F.R. 1.143).

Restriction Requirement

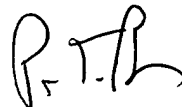
1 Applicant is reminded that upon the cancellation of claims to a non-elected
2 invention, the inventorship must be amended in compliance with 37 C.F.R. 1.48(b) if
3 one or more of the currently named inventors is no longer an inventor of at least one
4 claim remaining in the application. Any amendment of inventorship must be
5 accompanied by a diligently-filed petition under 37 C.F.R. 1.48(b) and by the fee
6 required under 37 C.F.R. 1.17(h).

7
8 ***Papers related to this application may be submitted directly to Art Unit***
9 ***2822 by facsimile transmission. Papers should be faxed to Art Unit 2822 via the***
10 ***Technology Center 2800 Fax Center located in Crystal Plaza 4, room 4 - C23. The***
11 ***faxing of such papers must conform with the notice published in the Official***
12 ***Gazette, 1096 OG 30 (November 15, 1989). The Technology Center 2800 Fax***
13 ***Center numbers are (703) 308-7722 and (703) 308-7724. The Technology Center***
14 ***2800 Fax Center is to be used only for papers related to Technology Center 2800***
15 ***applications.***

16
17 Any inquiry concerning this communication should be directed to Examiner
18 Edwin Oh whose telephone number is (703) 306-9144. The examiner can normally be
19 reached on Monday through Friday from 8:30 to 6:00. If attempts to reach the examiner
20 by telephone are unsuccessful the examiner's supervisor Peter Toby Brown can be
21 reached at (703) 308-4083. The fax phone number for this Group is (703) 308-7722.
22 Any inquiry of a general nature or relating to the status of this application or proceeding
23 should be directed to the Group receptionist whose telephone number is (703) 308-
24 0956.

25 January 4, 1999

26 EO



Peter Toby Brown
Supervisory Patent Examiner
Technology Center 2800